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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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MITERNA'	TIONAL PRELIMINARY EXAMINATION REPORT
	(PCT Article 36 and Rule 70)
Applicant's or agent's file reference NSK2629PCT	FOR FURTHER ACTION See Notification of Transmittal of Intern Preliminary Examination Report (Form PCT/IPE.
International application No. PCT/JP2003/011551	International filing date (day/month/year) Priority date (day/month/year) 10 September 2003 (10.09.2003) 13 September 2002 (13.09.2003)
International Patent Classification (IPC) o B62D 1/20, F16C 29/04, 29/1	
Applicant	NSK LTD.
amended and are the basi	panied by ANNEXES, i.e., sheets of the description, claims and/or drawings which ha is for this report and/or sheets containing rectifications made before this Authority (s
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

ernational application No.

PCT/JP2003/011551

I. Basi	s of the report
1. Wit	h regard to the elements of the international application:*
	the international application as originally filed
	the description:
	, as originally filed
	pages, filed with the demand pages, filed with the letter of
	the claims:
	pages, as originally filed
	pages, as amended (together with any statement under Article 19
	pages, filed with the demand
_	pages, filed with the letter of
Ш	the drawings:
	pages, as originally filed
	pages, filed with the demand
	pages, filed with the letter of,
	the sequence listing part of the description:
	nages , as originally filed
	filed with the demand
	, filed with the letter of
2. With the i	n regard to the language, all the elements marked above were available or furnished to this Authority in the language in which international application was filed, unless otherwise indicated under this item. See elements were available or furnished to this Authority in the following language which is:
H	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
片	the language of publication of the international application (under Rule 48.3(b)).
LJ	the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
3. Witi	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international minary examination was carried out on the basis of the sequence listing:
닏	contained in the international application in written form.
닏	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
Ц	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
ı. 🔲	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos
	the drawings, sheets/fig
i. 🔲	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
and 7	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to is report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 0.17).
* Any ro	eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Statement	_		
Novelty (N)	Claims	5, 6, 8-11, 13	YES
	Claims	1-4, 7, 12	NO
Inventive step (IS)	Claims	5, 6	YES
	Claims	1-4, 7-13	NO
Industrial applicability (IA)	Claims	1-13	YES
	Claims		NO

Citations and explanations

The invention set forth in claims 1 to 4, 7 and 12 lacks novelty in the light of document 1 (Microfilm of the specification and drawings annexed to the Japanese Utility Model Application No. 27492/1991 (Laid-open No. 123775/1992) (Fuji Kiko Co., Ltd.), 10 November 1992 (Family: none)).

Document 1 (particularly [fig. 3] and paragraph [0011], etc.) sets forth a vehicle steering telescopic shaft the same as the invention set forth in this application.

The invention set forth in claims 8 to 10 does not involve an inventive step in the light of document 1.

Determining the interval at which the "preloading sections" are disposed is a matter which would be determined as necessary by a person skilled in the art according to the shape of the "male shaft", etc.

The invention set forth in claim 11 does not involve an inventive step in the light of document 1.

Rolling elements comprising spherical bodies are merely a known feature in vehicle steering telescoping shafts (see, for example, JP 2001-50293 A (NACAM France SA), 23 February 2001 & EP 1065397 A & US 6343993 A, JP

2000-38142 A (Daimler Chrysler AG.), 8 February 2000 & DE 19824477 A, etc.).

The invention set forth in claim 13 does not involve an inventive step in the light of document 1 and document 2 (JP 11-311256 A (NSK Ltd.), 9 November 1999 (Family: none)).

Document 2 (paragraph [0032] and [fig. 3]) sets forth a feature wherein "the outer peripheral part of the male shaft" or the "inner peripheral part of the female shaft" are formed of a solid lubricating membrane.